

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-52. (cancelled)

53. (new) A medical device, comprising:

an elongate tubular member having a plurality of slots formed therein;

a liner disposed within the tubular member, the liner having an outer surface and a plurality of corrugations formed along the outer surface; and

a coil disposed along the outer surface of the liner.

54. (new) The medical device of claim 53, wherein the corrugations include outward corrugations.

55. (new) The medical device of claim 53, wherein the corrugations include inward corrugations.

56. (new) The medical device of claim 55, further comprising a second coil disposed in the inward corrugations.

57. (new) The medical device of claim 53, wherein the coil is a ribbon coil.

58. (new) The medical device of claim 53, further comprising a polymeric member disposed over the coil and the liner.

59. (new) The medical device of claim 53, wherein the tubular member has a longitudinal axis, wherein at least some of the plurality of slots are arranged in groups that are disposed at the same location along the longitudinal axis of the tubular member, and wherein at least some of the groups include three slots.

60. (new) The medical device of claim 59, wherein the groups of slots include a first group at a first position along the longitudinal axis of the tubular member and a second group adjacent the first group at a second position along the longitudinal axis of the tubular member, and wherein the second group is rotated relative to the first group.

61. (new) The medical device of claim 60, wherein the second group is rotated by an angle greater than 50 degrees and less than 70 degrees relative to the first group.

62. (new) The medical device of claim 61, wherein the second group is rotated by an angle of about 55 degrees relative to the first group.

63. (new) A medical device, comprising:
an elongate tubular member having a plurality of slots formed therein;
a liner disposed within the tubular member, the liner having an outer surface and a plurality of inward corrugations formed along the outer surface; and
an anti-collapsing structure disposed along the outer surface of the liner.

64. (new) The medical device of claim 63, wherein the anti-collapsing structure includes a coil.

65. (new) The medical device of claim 64, wherein the coil is a ribbon coil.

66. (new) The medical device of claim 63, further comprising a coil disposed in the inward corrugations.

67. (new) The medical device of claim 63, further comprising a polymeric member disposed over the coil and the anti-collapsing structure.

68. (new) A medical device, comprising:
an elongate tubular member having a plurality of slots formed therein;
a corrugated liner disposed within the tubular member;
an anti-collapsing structure coupled to the corrugated liner; and
a polymer sleeve disposed over the corrugated liner and the anti-collapsing structure.
69. (new) The medical device of claim 68, wherein the corrugations include outward corrugations.
70. (new) The medical device of claim 68, wherein the corrugations include inward corrugations.
71. (new) The medical device of claim 70, further comprising a coil disposed in the inward corrugations.
72. (new) The medical device of claim 68, wherein the anti-collapsing structure includes a coil.
73. (new) The medical device of claim 72, wherein the coil is a ribbon coil.
74. (new) A method for manufacturing a medical device, the method comprising:
providing a tubular member having a plurality of slots formed therein;
providing a liner;
forming a plurality of corrugations in the liner; and
disposing the liner within the tubular member.
75. (new) The method of claim 74, wherein forming a plurality of corrugations in the liner includes applying pressure to the liner, stretching the liner, or molding the liner.

76. (new) A method for manufacturing a medical device, the method comprising:
providing a tubular member having a plurality of slots formed therein;
providing a liner;
forming a plurality of inward corrugations in the liner; and
disposing the liner within the tubular member.